

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122324\
 Data File : BN035823.D
 Acq On : 24 Dec 2024 16:06
 Operator : RC/JU
 Sample : P5376-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RW10-MW01D-20241218

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/25/2024
 Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 24 23:19:31 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 19 23:06:19 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.264	152	3352	0.400	ng	0.00
7) Naphthalene-d8	10.009	136	8445	0.400	ng	#-0.01
13) Acenaphthene-d10	13.925	164	5463	0.400	ng	-0.01
19) Phenanthrene-d10	16.698	188	11816	0.400	ng	# 0.00
29) Chrysene-d12	20.947	240	9968	0.400	ng	# 0.00
35) Perylene-d12	23.026	264	9568	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	4.924	112	842	0.100	ng	-0.01
5) Phenol-d6	6.477	99	482	0.048	ng	-0.01
8) Nitrobenzene-d5	8.408	82	1955m	0.379	ng	0.00
11) 2-Methylnaphthalene-d10	11.611	152	4421	0.335	ng	-0.01
14) 2,4,6-Tribromophenol	15.443	330	799	0.206	ng	-0.01
15) 2-Fluorobiphenyl	12.534	172	6936	0.336	ng	-0.01
27) Fluoranthene-d10	18.747	212	13295	0.397	ng	-0.01
31) Terphenyl-d14	19.379	244	9869	0.502	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.052	128	964	0.043	ng	# 77
12) 2-Methylnaphthalene	11.692	142	597	0.037	ng	# 76
16) Acenaphthylene	13.636	152	1063	0.046	ng	# 93
17) Acenaphthene	13.989	154	693	0.045	ng	99
18) Fluorene	14.994	166	956	0.044	ng	96
25) Phenanthrene	16.736	178	2183	0.067	ng	98
26) Anthracene	16.835	178	1383	0.047	ng	98
28) Fluoranthene	18.780	202	2251	0.051	ng	# 96
30) Pyrene	19.147	202	2504	0.068	ng	98
32) Benzo(a)anthracene	20.929	228	1508	0.043	ng	# 91
33) Chrysene	20.983	228	2026	0.056	ng	# 93
34) Bis(2-ethylhexyl)phtha...	20.893	149	1059	0.077	ng	# 95
36) Indeno(1,2,3-cd)pyrene	25.073	276	1384	0.037	ng	# 82
37) Benzo(b)fluoranthene	22.424	252	1754	0.050	ng	# 28
38) Benzo(k)fluoranthene	22.465	252	1557	0.045	ng	# 29
39) Benzo(a)pyrene	22.945	252	959	0.033	ng	# 1
40) Dibenzo(a,h)anthracene	25.085	278	1067	0.036	ng	# 11
41) Benzo(g,h,i)perylene	25.675	276	1130	0.037	ng	# 64

(#) = qualifier out of range (m) = manual integration (+) = signals summed

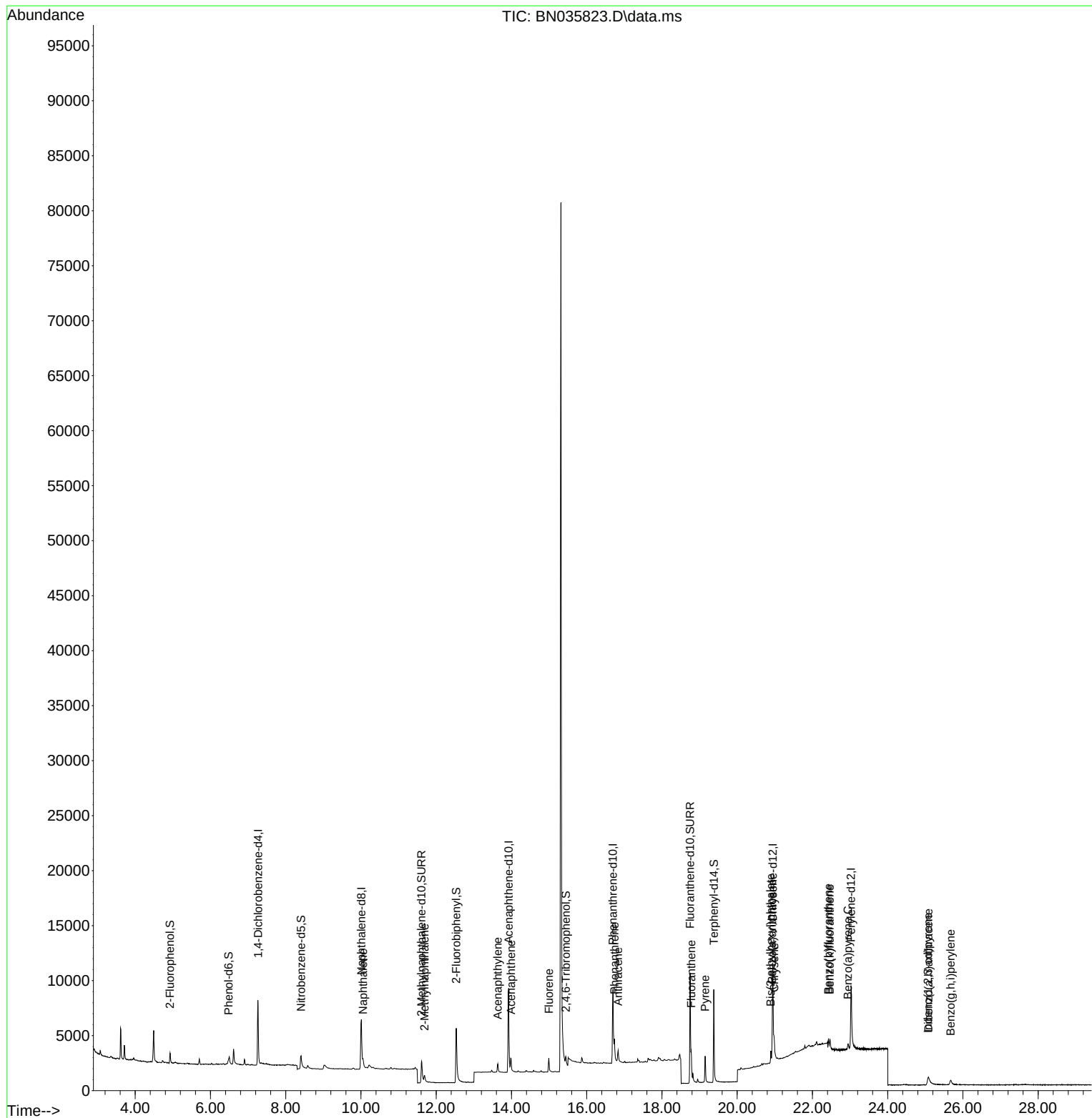
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122324\
Data File : BN035823.D
Acq On : 24 Dec 2024 16:06
Operator : RC/JU
Sample : P5376-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

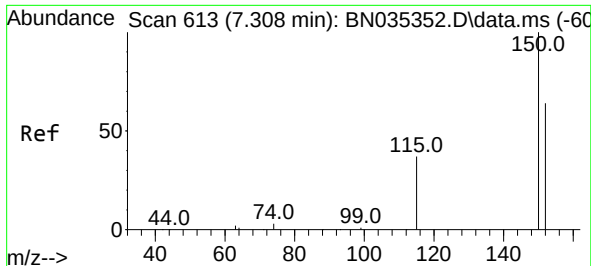
Instrument :
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ClientSampleId :
RW10-MW01D-20241218

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/25/2024
Supervised By :mohammad ahmed 12/26/2024

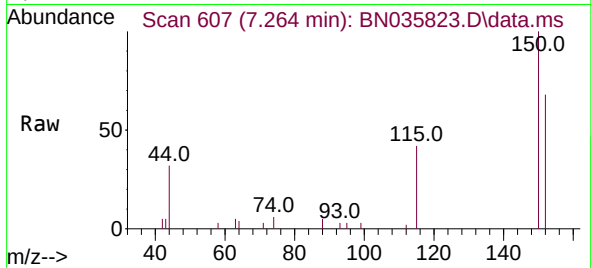
Quant Time: Dec 24 23:19:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.264 min Scan# 607
Delta R.T. -0.008 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

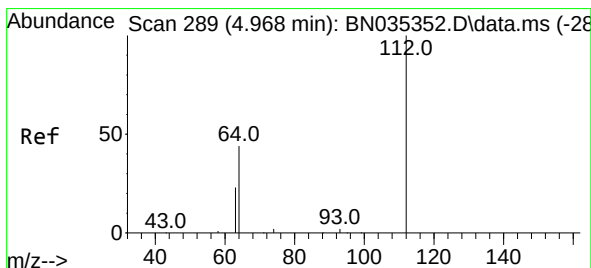
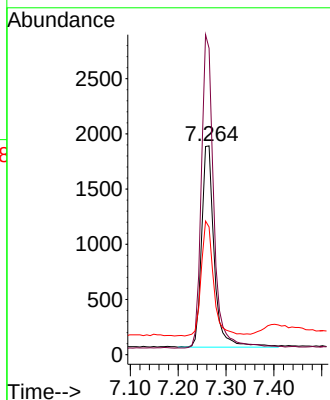
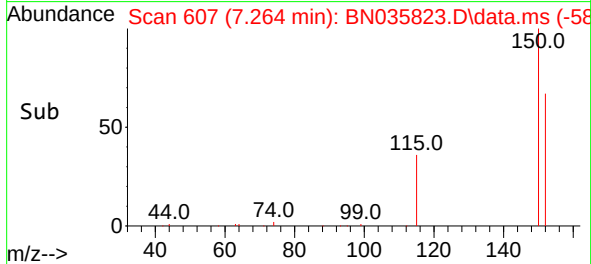
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20241218



Tgt Ion:152 Resp: 335
Ion Ratio Lower Upper
152 100
150 146.7 124.0 186.0
115 61.2 49.6 74.4

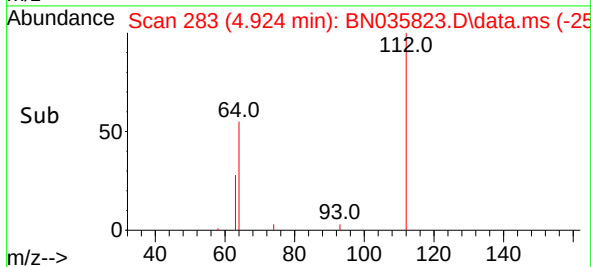
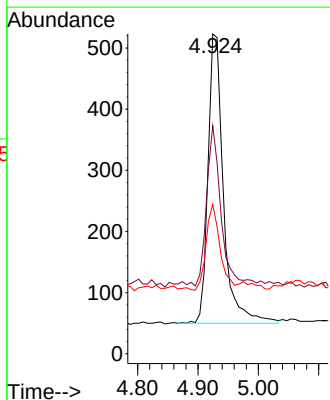
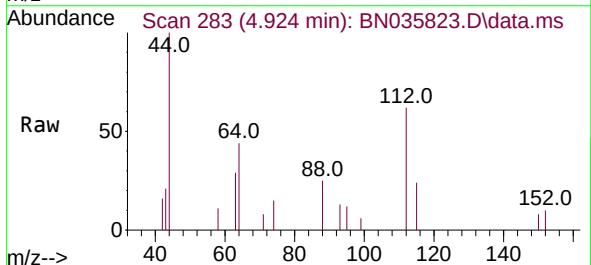
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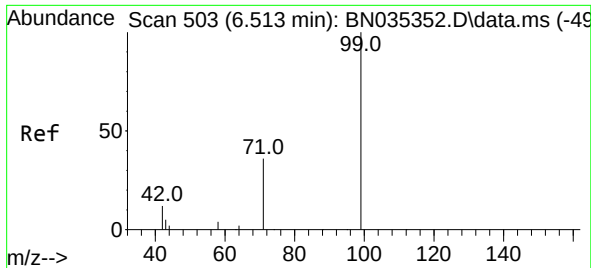
Reviewed By :Yogesh Patel 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



#4
2-Fluorophenol
Concen: 0.100 ng
RT: 4.924 min Scan# 283
Delta R.T. -0.014 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

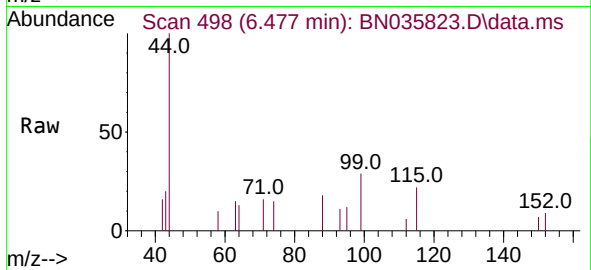
Tgt Ion:112 Resp: 842
Ion Ratio Lower Upper
112 100
64 52.5 39.8 59.8
63 27.2 21.0 31.6





#5
Phenol-d6
Concen: 0.048 ng
RT: 6.477 min Scan# 498
Delta R.T. -0.014 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

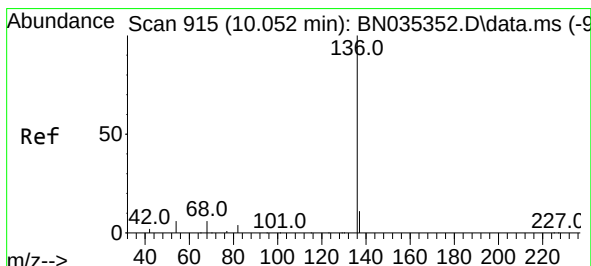
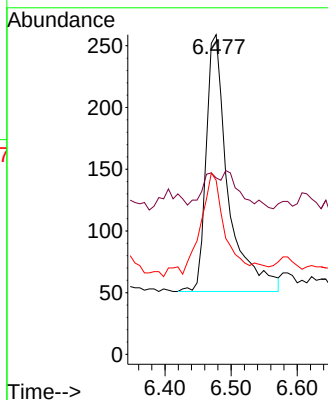
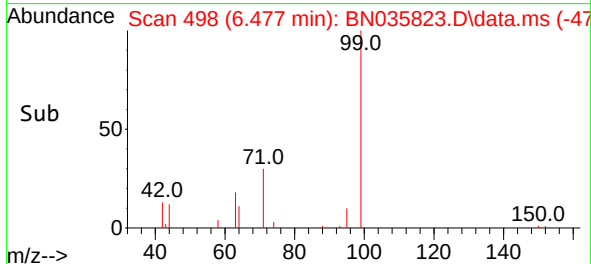
Instrument :
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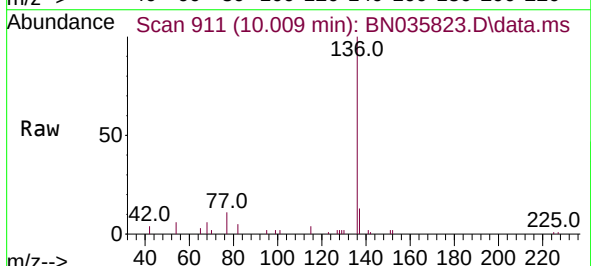
Tgt Ion: 99 Resp: 482
Ion Ratio Lower Upper
99 100
42 10.2 11.4 17.2
71 41.9 29.3 43.9

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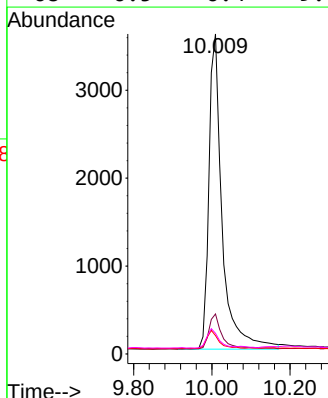
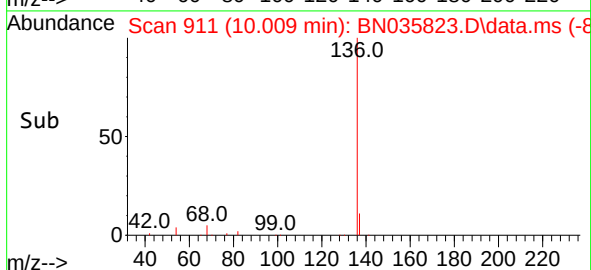
Reviewed By :Yogesh Patel 12/25/2024
Supervised By :mohammad ahmed 12/26/2024

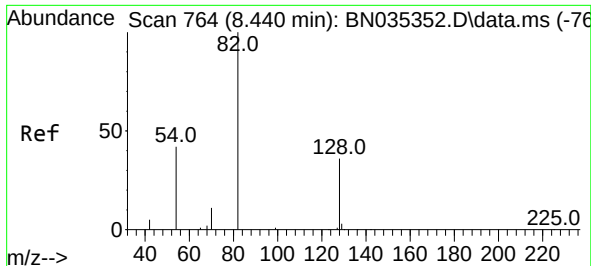


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.009 min Scan# 911
Delta R.T. -0.011 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06



Tgt Ion:136 Resp: 8445
Ion Ratio Lower Upper
136 100
137 12.5 10.2 15.2
54 5.7 6.1 9.1#
68 6.5 6.4 9.6





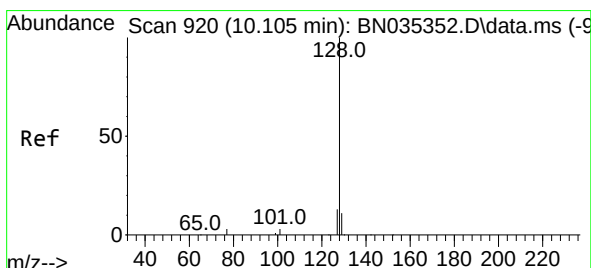
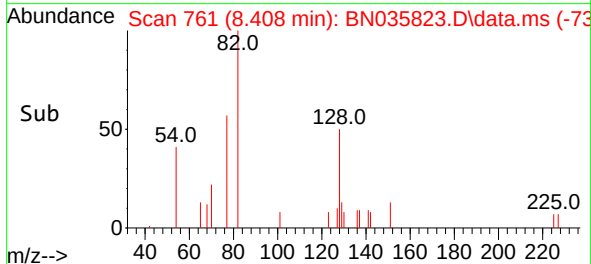
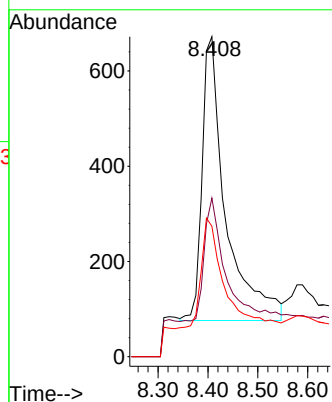
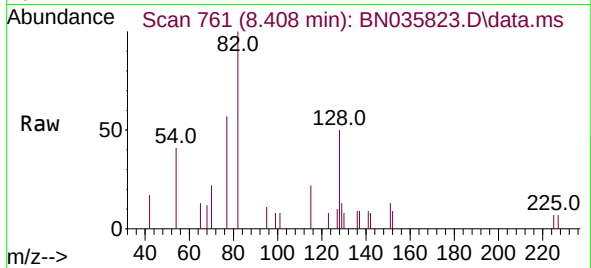
#8
Nitrobenzene-d5
Concen: 0.379 ng m
RT: 8.408 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20241218

Tgt Ion: 82 Resp: 195
Ion Ratio Lower Upper
82 100
128 49.6 33.4 50.0
54 40.8 36.7 55.1

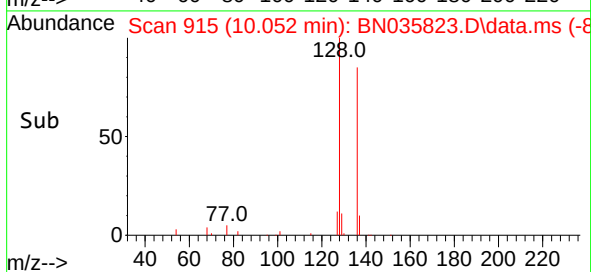
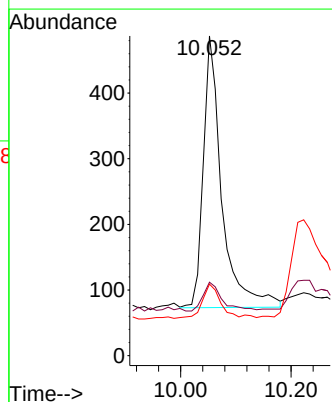
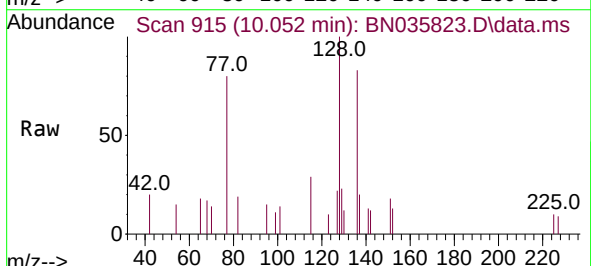
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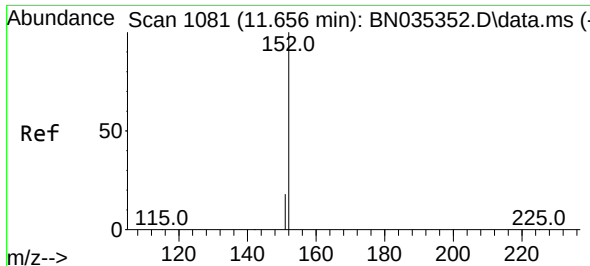
Reviewed By :Yogesh Patel 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



#9
Naphthalene
Concen: 0.043 ng
RT: 10.052 min Scan# 915
Delta R.T. -0.011 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

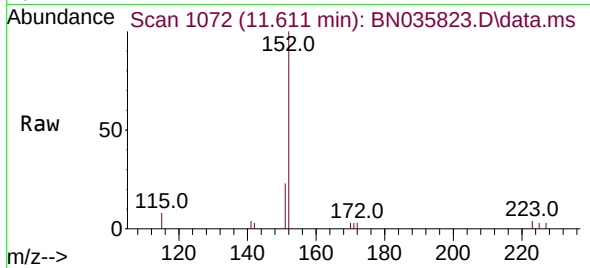
Tgt Ion:128 Resp: 964
Ion Ratio Lower Upper
128 100
129 23.0 9.8 14.6#
127 22.4 11.4 17.2#





#11
2-Methylnaphthalene-d10
Concen: 0.335 ng
RT: 11.611 min Scan# 1072
Delta R.T. -0.010 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

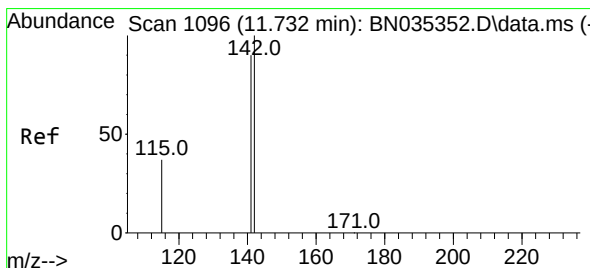
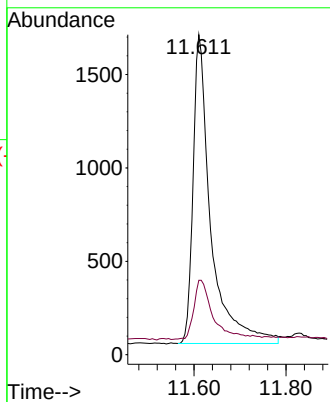
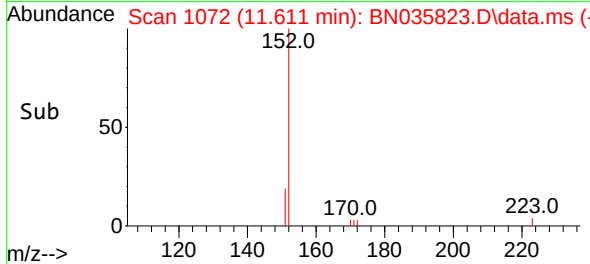
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20241218



Tgt Ion:152 Resp: 442
Ion Ratio Lower Upper
152 100
151 20.4 16.6 25.0

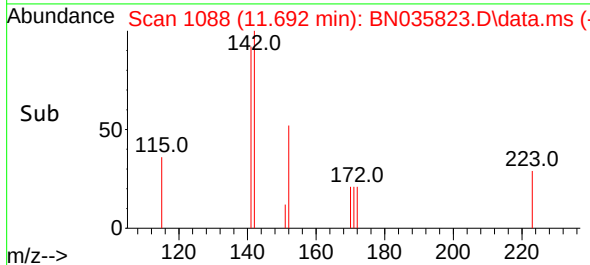
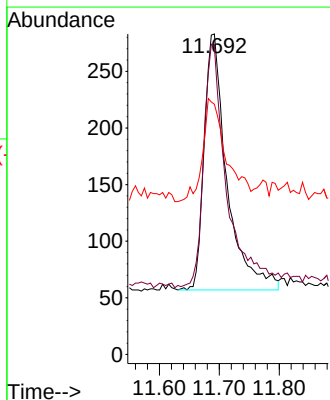
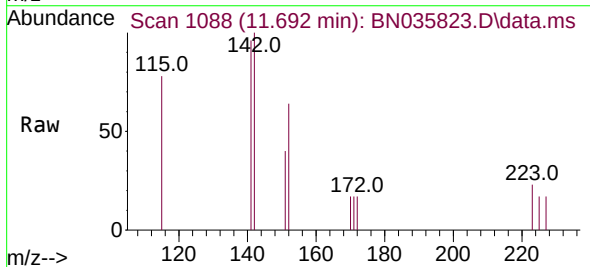
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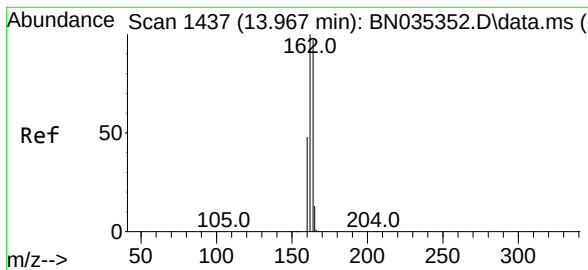
Reviewed By :Yogesh Patel 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



#12
2-Methylnaphthalene
Concen: 0.037 ng
RT: 11.692 min Scan# 1088
Delta R.T. -0.005 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

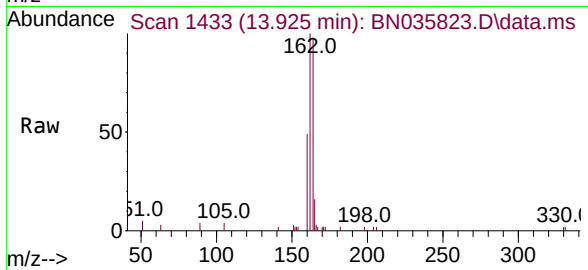
Tgt Ion:142 Resp: 597
Ion Ratio Lower Upper
142 100
141 96.1 72.2 108.4
115 78.1 31.4 47.0#





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.925 min Scan# 1433
Delta R.T. -0.011 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

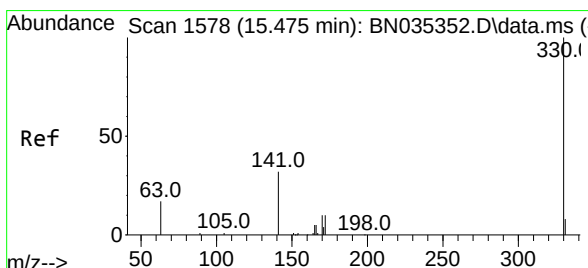
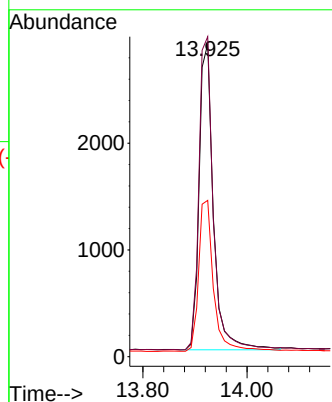
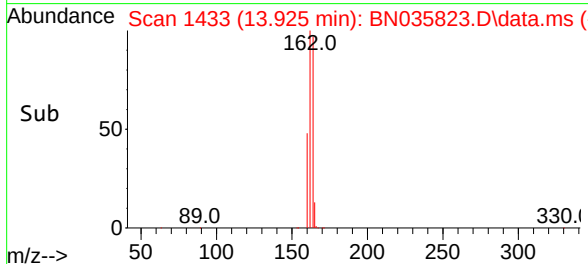
Instrument : BNA_N
ClientSampleId : RW10-MW01D-20241218



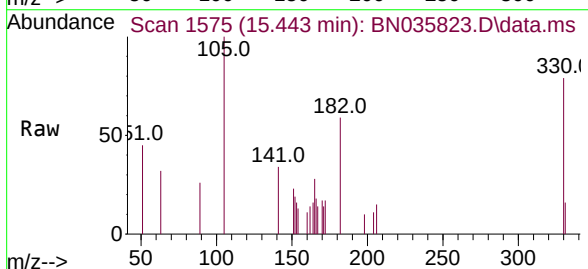
Tgt Ion:164 Resp: 546
Ion Ratio Lower Upper
164 100
162 102.3 82.2 123.2
160 50.0 40.1 60.1

Manual Integrations
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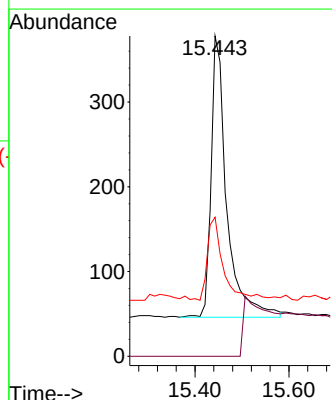
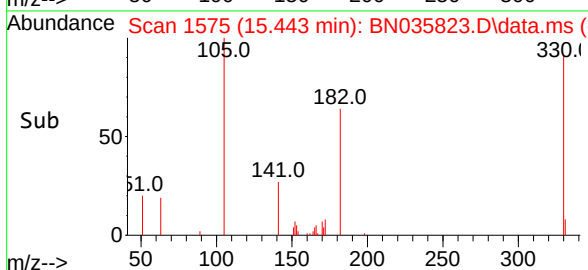
Reviewed By :Yogesh Patel 12/25/2024
Supervised By :mohammad ahmed 12/26/2024

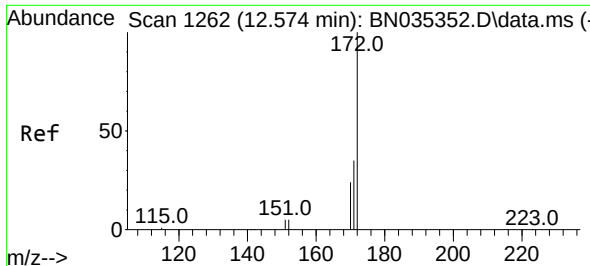


#14
2,4,6-Tribromophenol
Concen: 0.206 ng
RT: 15.443 min Scan# 1575
Delta R.T. -0.011 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06



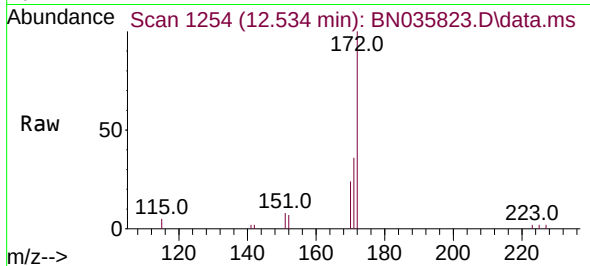
Tgt Ion:330 Resp: 799
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 28.9 26.6 40.0





#15
2-Fluorobiphenyl
Concen: 0.336 ng
RT: 12.534 min Scan# 11
Delta R.T. -0.010 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

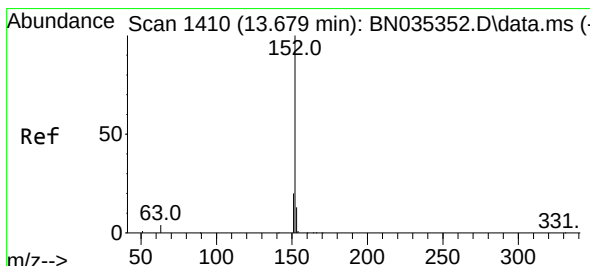
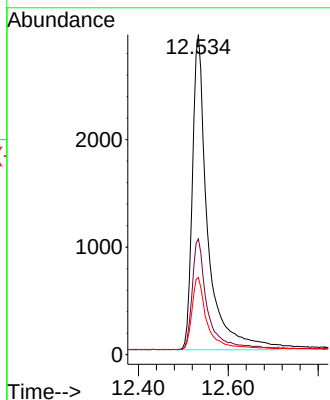
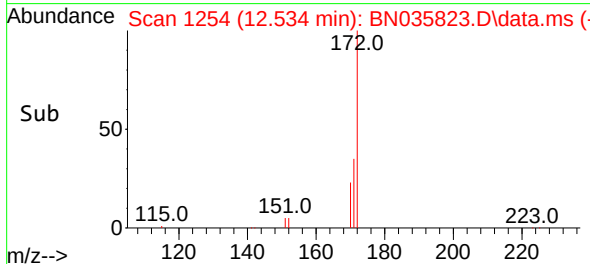
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20241218



Tgt Ion:172 Resp: 6930
Ion Ratio Lower Upper
172 100
171 36.2 29.0 43.4
170 24.1 19.8 29.8

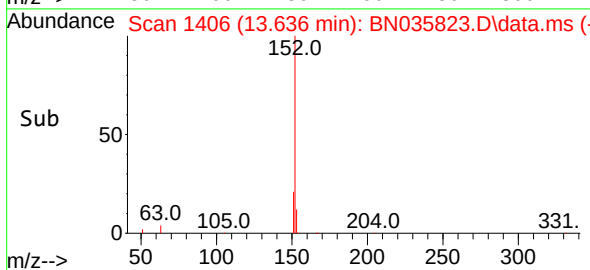
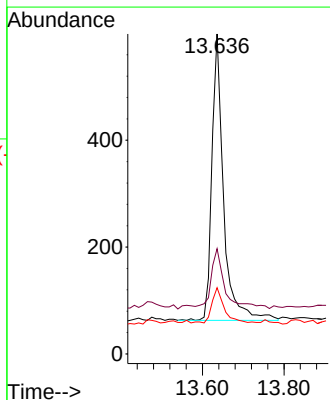
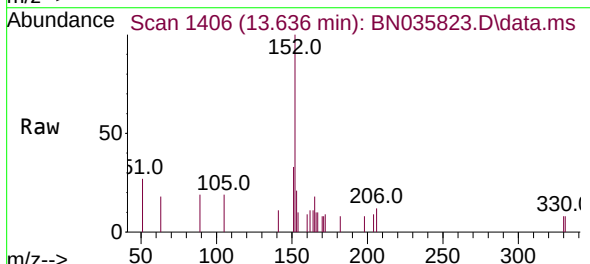
Manual Integrations
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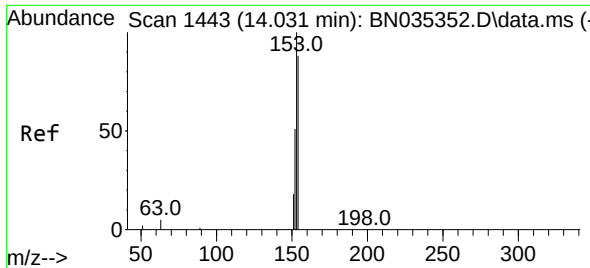
Reviewed By :Yogesh Patel 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



#16
Acenaphthylene
Concen: 0.046 ng
RT: 13.636 min Scan# 1406
Delta R.T. -0.011 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

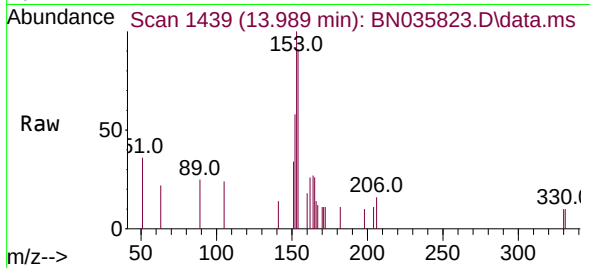
Tgt Ion:152 Resp: 1063
Ion Ratio Lower Upper
152 100
151 24.4 16.2 24.2#
153 14.4 10.4 15.6





#17
Acenaphthene
Concen: 0.045 ng
RT: 13.989 min Scan# 1443
Delta R.T. -0.011 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

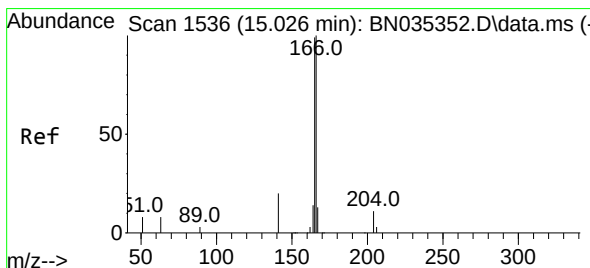
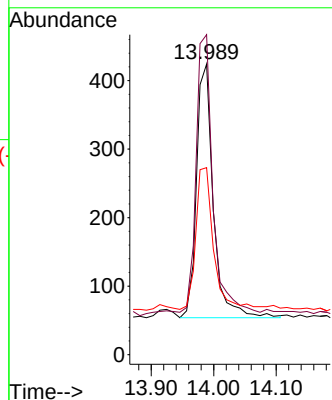
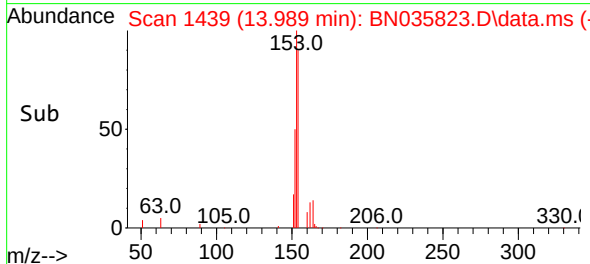
Instrument :
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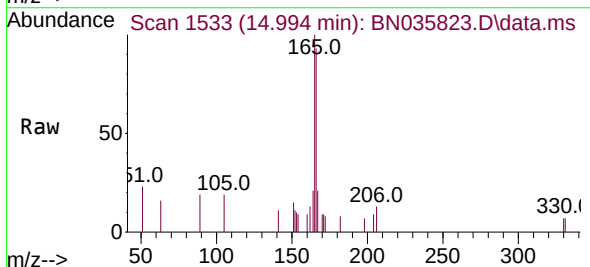
Tgt Ion:154 Resp: 69
Ion Ratio Lower Upper
154 100
153 115.9 92.6 139.0
152 58.9 49.0 73.6

Manual Integrations
APPROVED

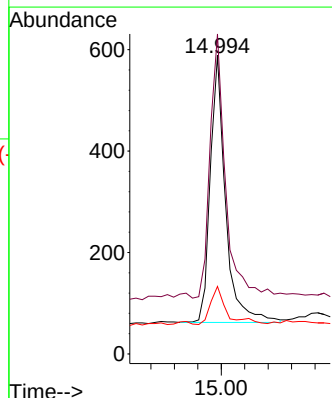
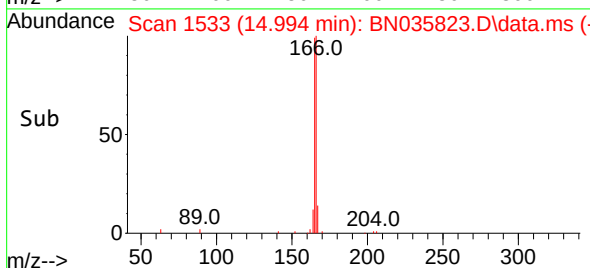
Reviewed By :Yogesh Patel 12/25/2024
Supervised By :mohammad ahmed 12/26/2024

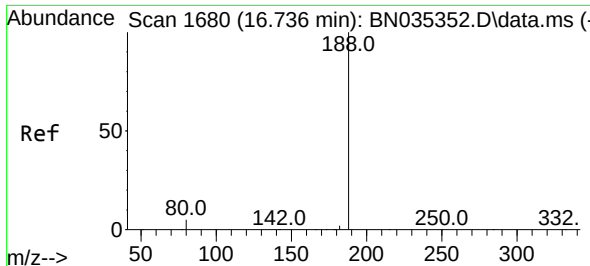


#18
Fluorene
Concen: 0.044 ng
RT: 14.994 min Scan# 1533
Delta R.T. -0.011 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06



Tgt Ion:166 Resp: 956
Ion Ratio Lower Upper
166 100
165 103.7 79.7 119.5
167 14.9 10.8 16.2





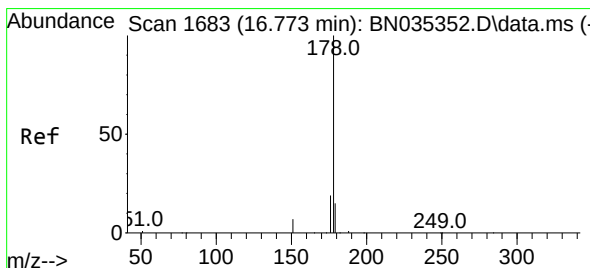
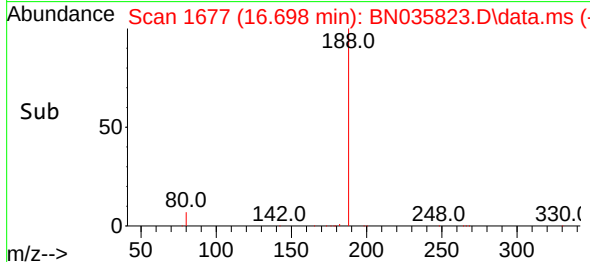
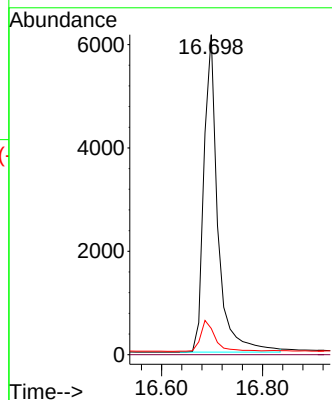
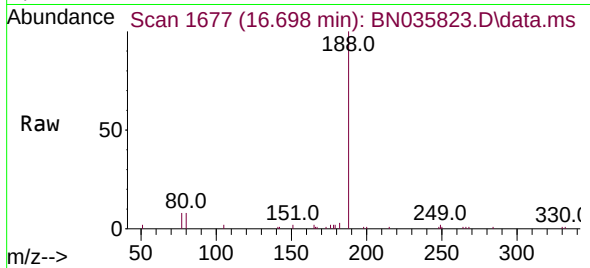
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 11810
Delta R.T. -0.000 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20241218

Tgt Ion:188 Resp: 11810
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.2 4.6 6.8

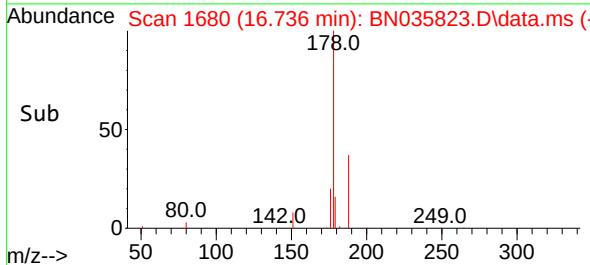
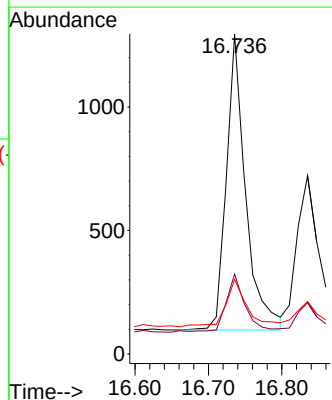
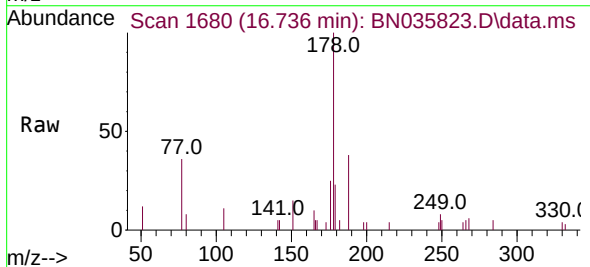
Manual Integrations
APPROVED

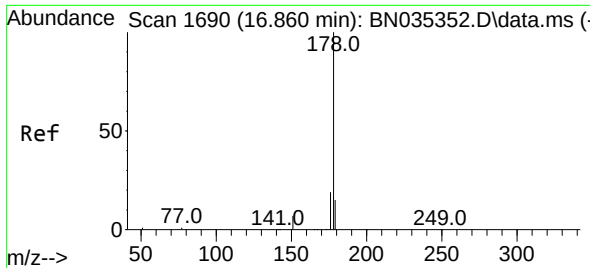
Reviewed By :Yogesh Patel 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



#25
Phenanthrene
Concen: 0.067 ng
RT: 16.736 min Scan# 1680
Delta R.T. -0.012 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

Tgt Ion:178 Resp: 2183
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.2
179 16.8 12.3 18.5





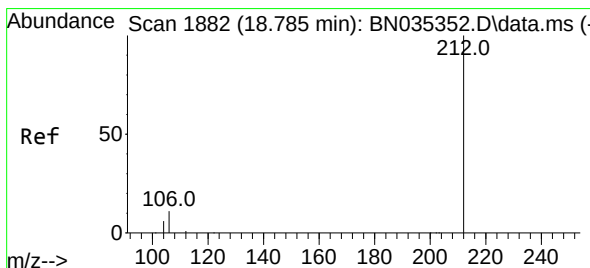
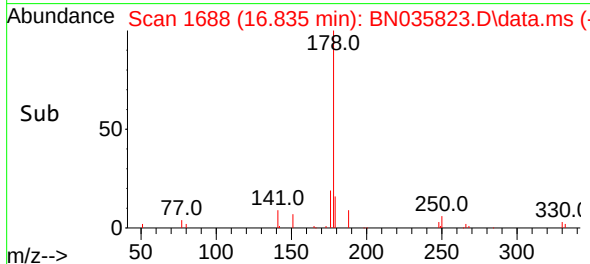
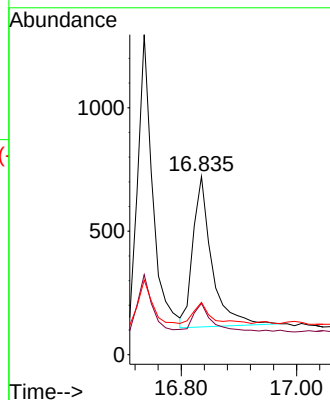
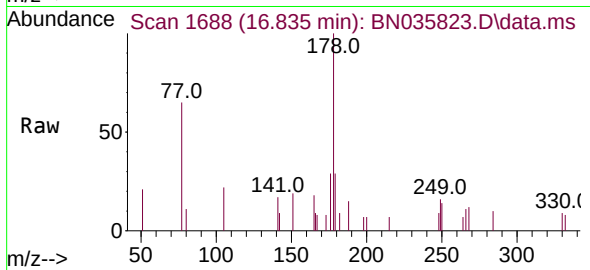
#26
 Anthracene
 Concen: 0.047 ng
 RT: 16.835 min Scan# 1688
 Delta R.T. -0.000 min
 Lab File: BN035823.D
 Acq: 24 Dec 2024 16:06

Instrument :
 BNA_N
 ClientSampleId :
 RW10-MW01D-20241218

Tgt Ion:	178	Resp:	138
Ion Ratio	Lower	Upper	
178	100		
176	18.0	15.0	22.6
179	14.6	12.6	18.8

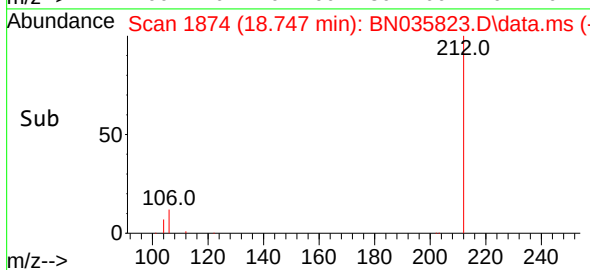
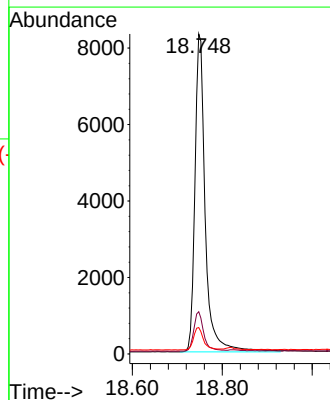
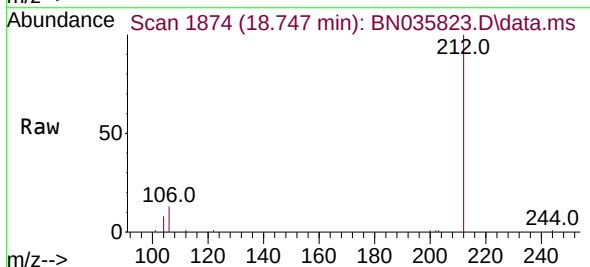
Manual Integrations
 APPROVED

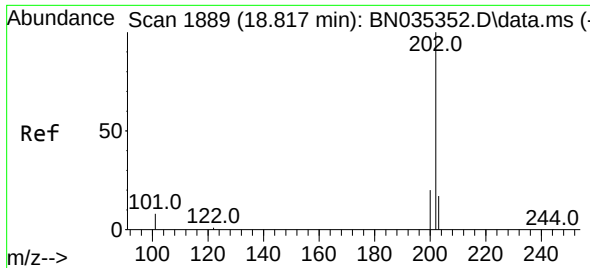
Reviewed By :Yogesh Patel 12/25/2024
 Supervised By :mohammad ahmed 12/26/2024



#27
 Fluoranthene-d10
 Concen: 0.397 ng
 RT: 18.747 min Scan# 1874
 Delta R.T. -0.014 min
 Lab File: BN035823.D
 Acq: 24 Dec 2024 16:06

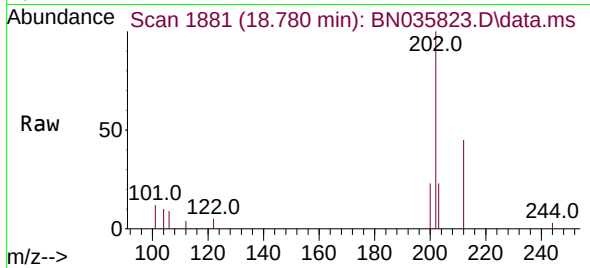
Tgt Ion:	212	Resp:	13295
Ion Ratio	Lower	Upper	
212	100		
106	12.1	9.2	13.8
104	6.7	5.3	7.9





#28
Fluoranthene
Concen: 0.051 ng
RT: 18.780 min Scan# 11
Delta R.T. -0.009 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

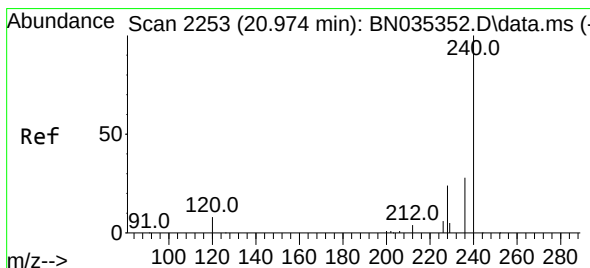
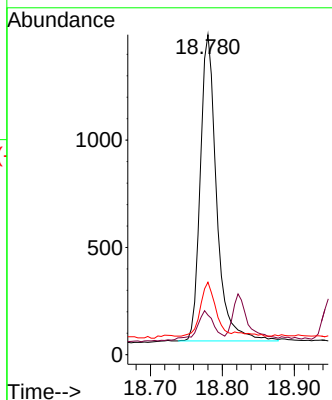
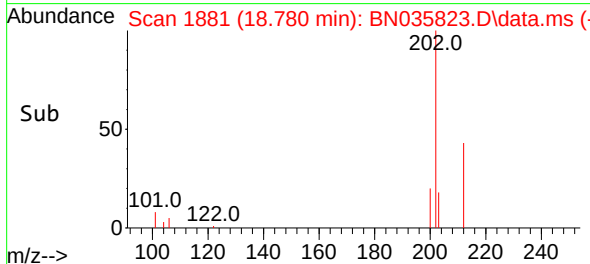
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20241218



Tgt Ion:202 Resp: 225
Ion Ratio Lower Upper
202 100
101 11.8 7.4 11.0
203 16.3 13.7 20.5

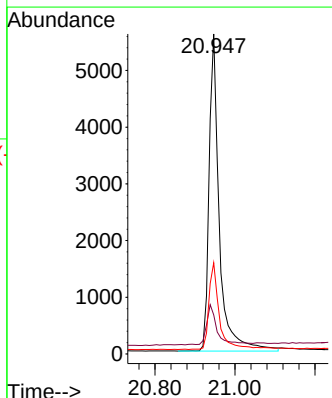
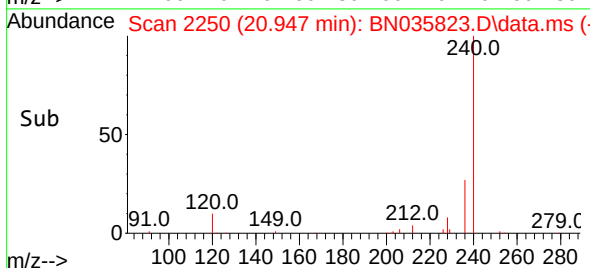
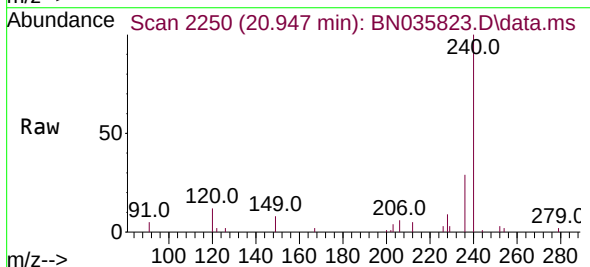
Manual Integrations
APPROVED

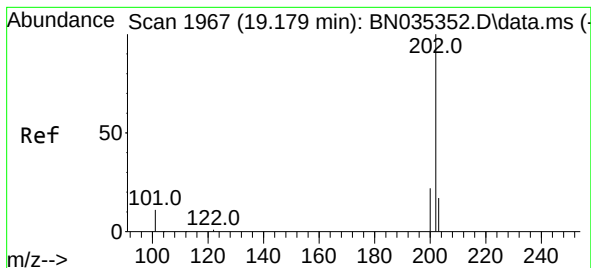
Reviewed By :Yogesh Patel 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.947 min Scan# 2250
Delta R.T. -0.009 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

Tgt Ion:240 Resp: 9968
Ion Ratio Lower Upper
240 100
120 12.2 7.9 11.9
236 28.5 22.9 34.3





#30

Pyrene

Concen: 0.068 ng

RT: 19.147 min Scan# 1967

Delta R.T. -0.014 min

Lab File: BN035823.D

Acq: 24 Dec 2024 16:06

Instrument :

BNA_N

ClientSampleId :

RW10-MW01D-20241218

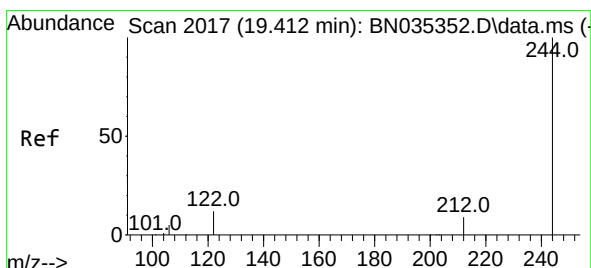
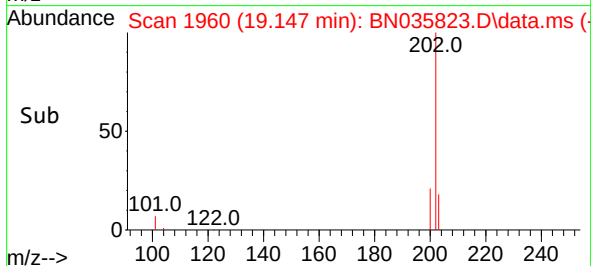
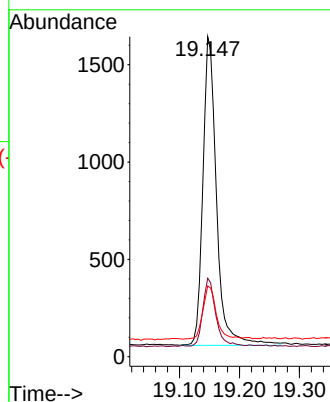
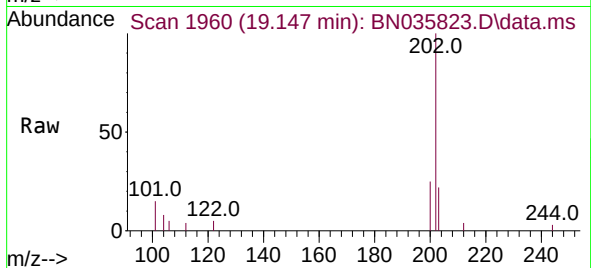
Tgt Ion:	202	Resp:	2504
Ion Ratio	Lower	Upper	
202	100		
200	20.4	17.0	25.4
203	17.0	14.3	21.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/25/2024

Supervised By :mohammad ahmed 12/26/2024



#31

Terphenyl-d14

Concen: 0.502 ng

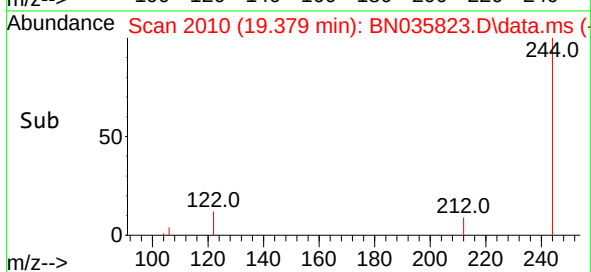
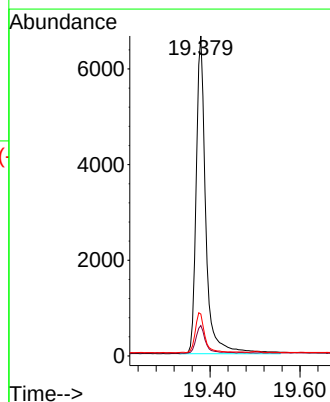
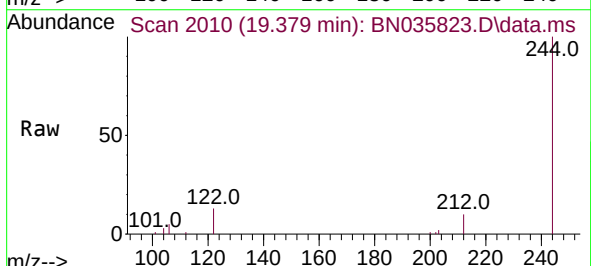
RT: 19.379 min Scan# 2010

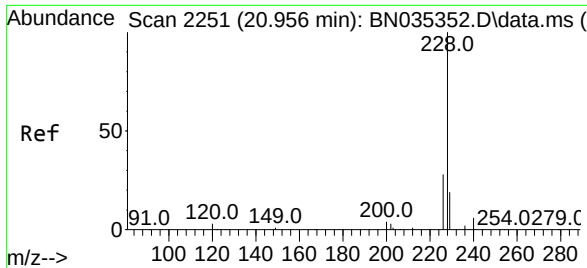
Delta R.T. -0.009 min

Lab File: BN035823.D

Acq: 24 Dec 2024 16:06

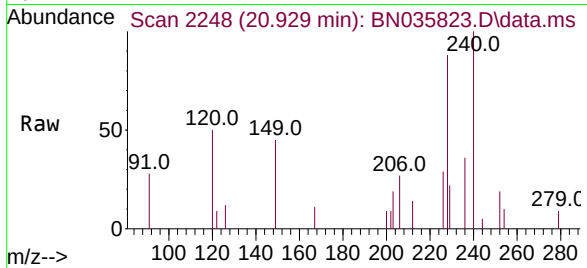
Tgt Ion:	244	Resp:	9869
Ion Ratio	Lower	Upper	
244	100		
212	9.5	8.1	12.1
122	13.1	10.3	15.5





#32
Benzo(a)anthracene
Concen: 0.043 ng
RT: 20.929 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

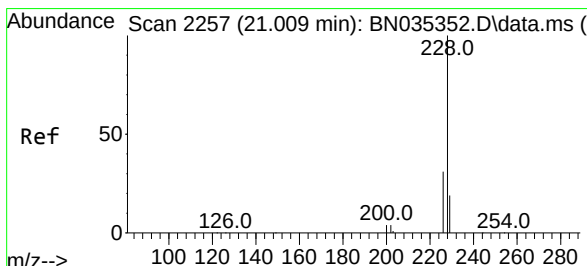
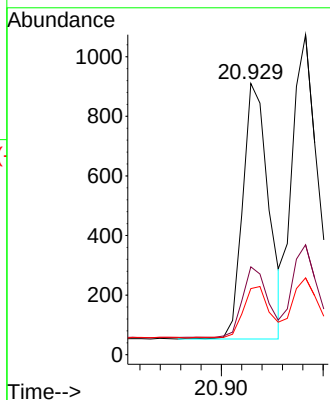
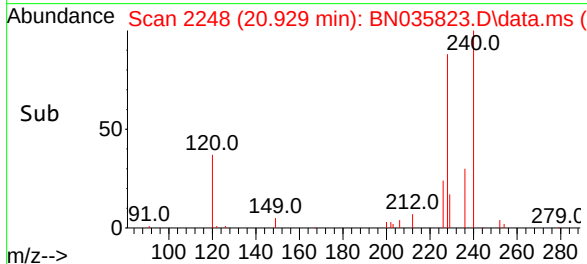
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20241218



Tgt Ion:228 Resp: 1500
Ion Ratio Lower Upper
228 100
226 32.4 22.5 33.7
229 24.4 15.8 23.8

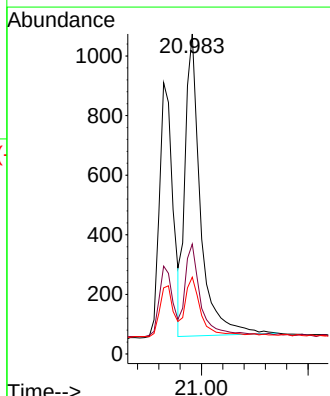
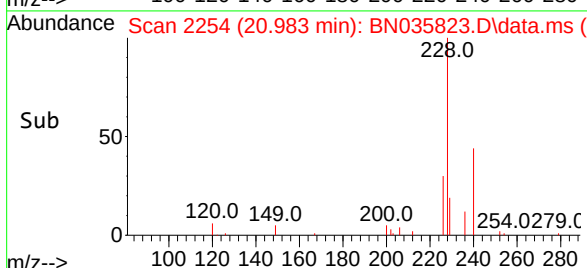
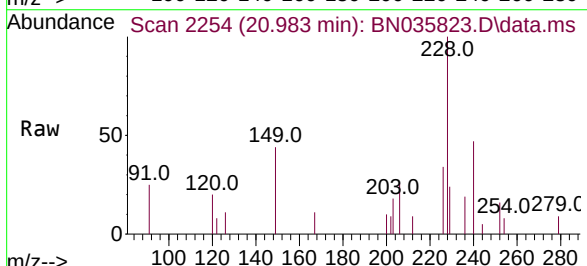
Manual Integrations
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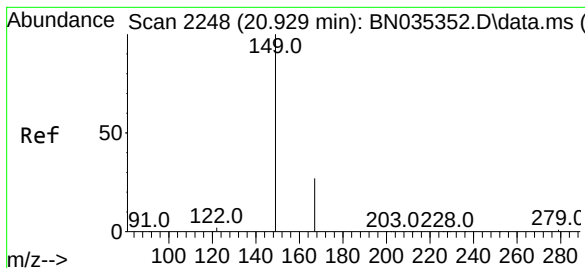
Reviewed By :Yogesh Patel 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



#33
Chrysene
Concen: 0.056 ng
RT: 20.983 min Scan# 2254
Delta R.T. -0.009 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

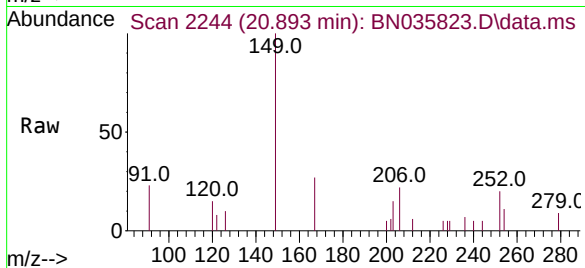
Tgt Ion:228 Resp: 2026
Ion Ratio Lower Upper
228 100
226 34.4 24.6 37.0
229 24.0 15.9 23.9





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.077 ng
RT: 20.893 min Scan# 21
Delta R.T. -0.018 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

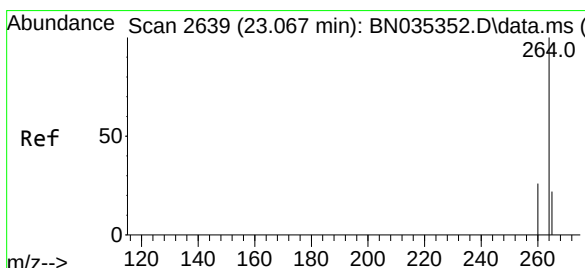
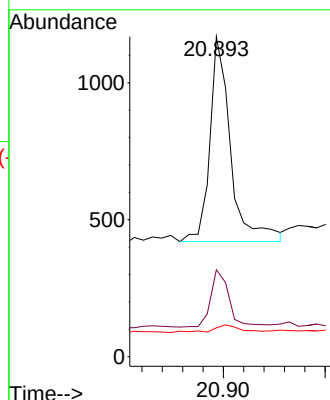
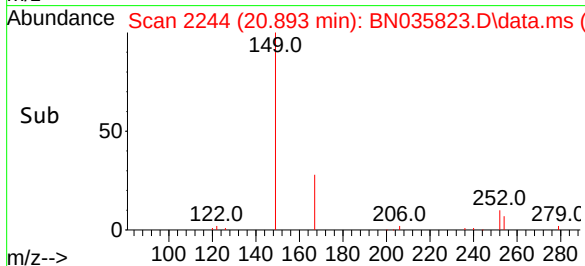
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20241218



Tgt Ion:149 Resp: 1059
Ion Ratio Lower Upper
149 100
167 24.9 22.2 33.4
279 5.1 2.7 4.1

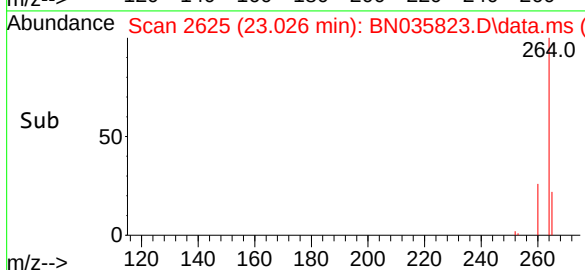
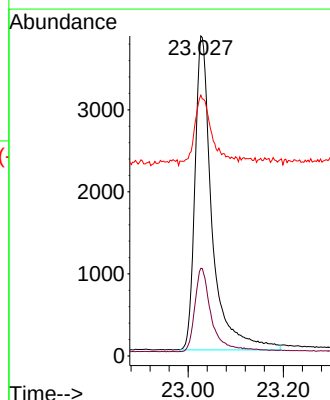
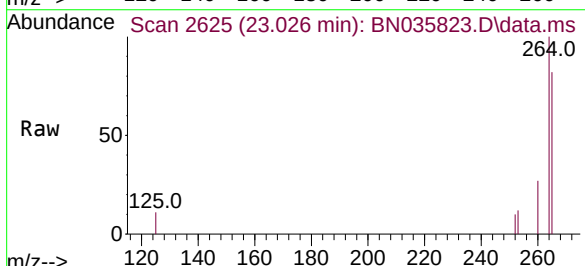
Manual Integrations
APPROVED

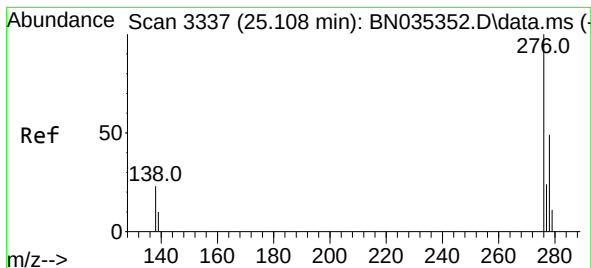
Reviewed By :Yogesh Patel 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.026 min Scan# 2625
Delta R.T. -0.015 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

Tgt Ion:264 Resp: 9568
Ion Ratio Lower Upper
264 100
260 27.4 21.4 32.2
265 81.5 40.2 60.4





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.037 ng

RT: 25.073 min Scan# 31

Delta R.T. 0.006 min

Lab File: BN035823.D

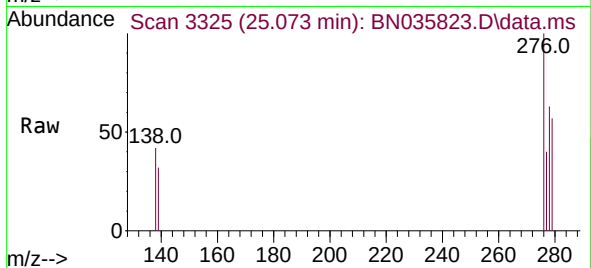
Acq: 24 Dec 2024 16:06

Instrument :

BNA_N

ClientSampleId :

RW10-MW01D-20241218



Tgt Ion:276 Resp: 1384

Ion Ratio Lower Upper

276 100

138 22.6 19.4 29.0

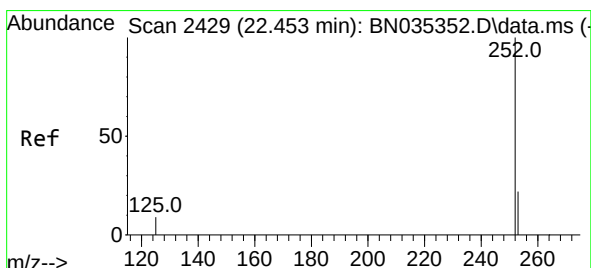
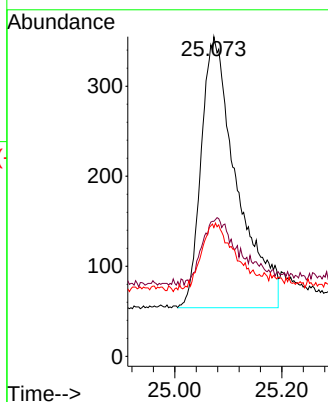
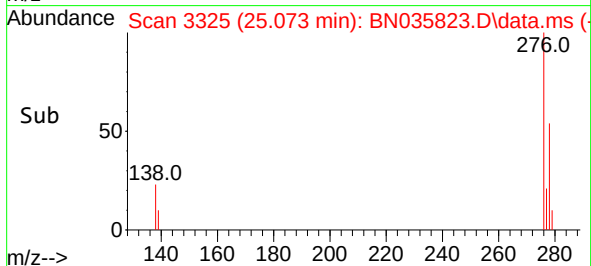
277 8.7 19.8 29.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/25/2024

Supervised By :mohammad ahmed 12/26/2024



#37

Benzo(b)fluoranthene

Concen: 0.050 ng

RT: 22.424 min Scan# 2419

Delta R.T. -0.006 min

Lab File: BN035823.D

Acq: 24 Dec 2024 16:06

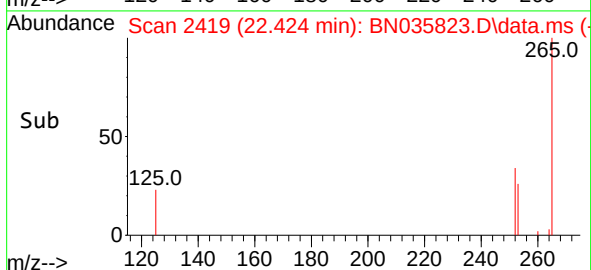
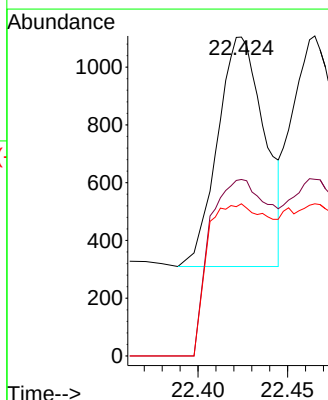
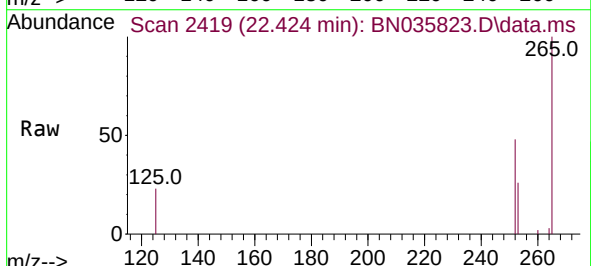
Tgt Ion:252 Resp: 1754

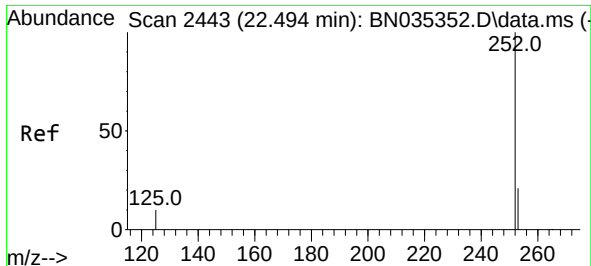
Ion Ratio Lower Upper

252 100

253 55.3 19.6 29.4#

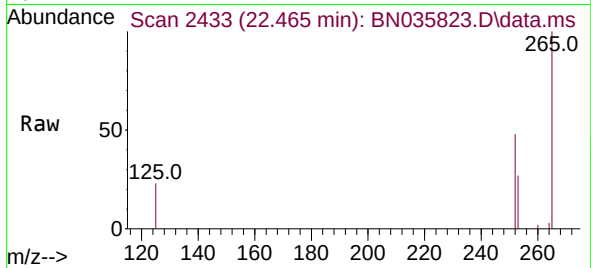
125 47.7 9.6 14.4#





#38
Benzo(k)fluoranthene
Concen: 0.045 ng
RT: 22.465 min Scan# 2443
Delta R.T. -0.006 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

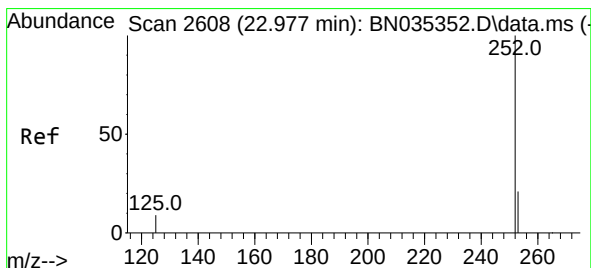
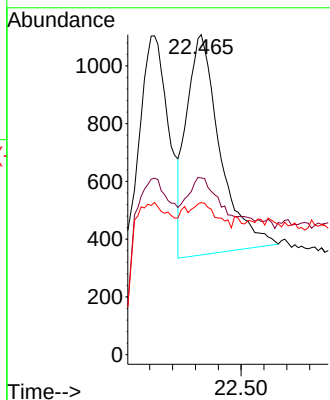
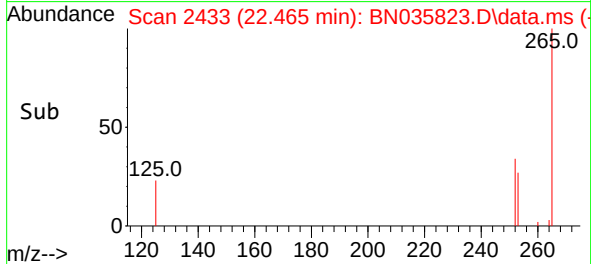
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20241218



Tgt Ion:252 Resp: 155
Ion Ratio Lower Upper
252 100
253 55.2 19.5 29.3#
125 47.6 10.2 15.4#

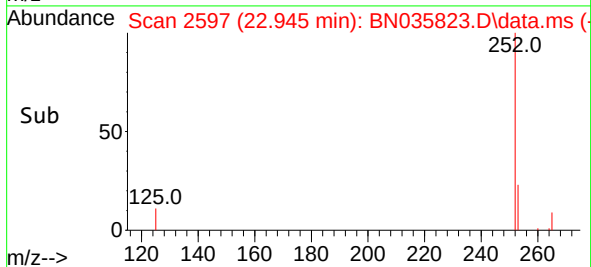
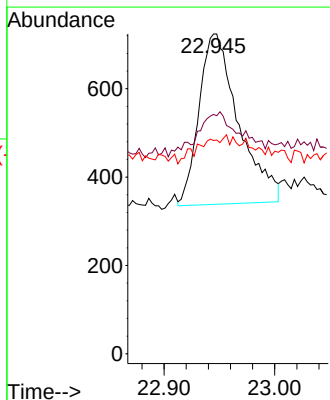
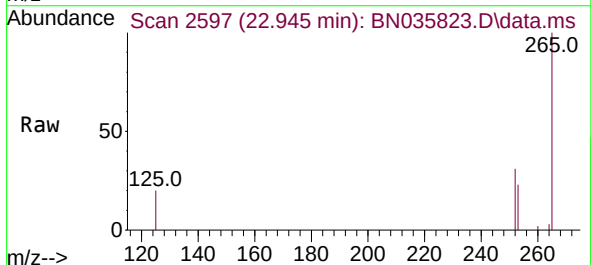
Manual Integrations
APPROVED

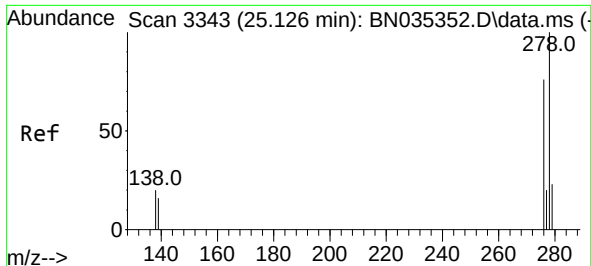
Reviewed By :Yogesh Patel 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



#39
Benzo(a)pyrene
Concen: 0.033 ng
RT: 22.945 min Scan# 2597
Delta R.T. -0.006 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

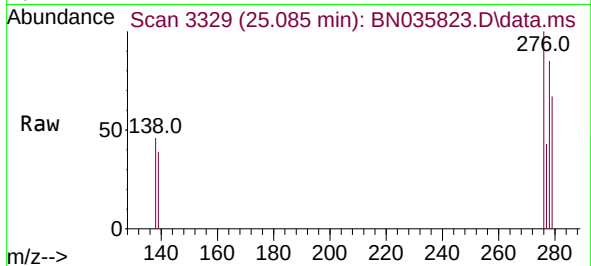
Tgt Ion:252 Resp: 959
Ion Ratio Lower Upper
252 100
253 74.9 20.2 30.4#
125 66.7 10.9 16.3#





#40
Dibenzo(a,h)anthracene
Concen: 0.036 ng
RT: 25.085 min Scan# 31
Delta R.T. 0.003 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

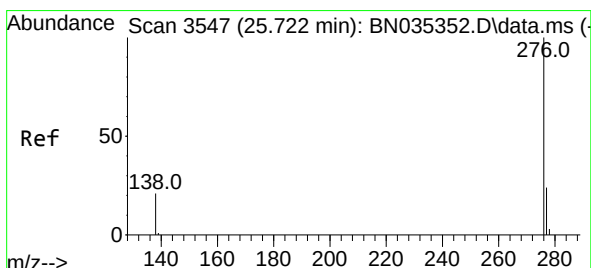
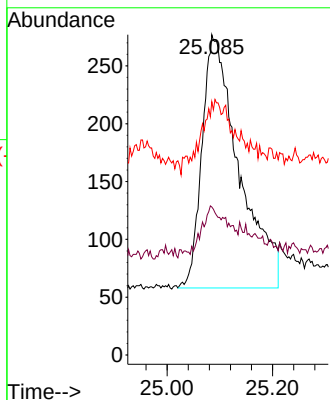
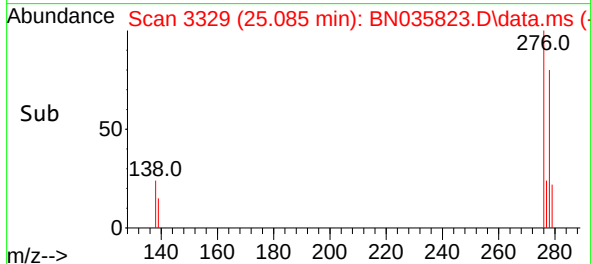
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20241218



Tgt Ion:278 Resp: 106
Ion Ratio Lower Upper
278 100
139 46.2 14.2 21.4#
279 79.1 20.5 30.7#

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



#41
Benzo(g,h,i)perylene
Concen: 0.037 ng
RT: 25.675 min Scan# 3531
Delta R.T. -0.003 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

Tgt Ion:276 Resp: 1130
Ion Ratio Lower Upper
276 100
277 42.4 19.9 29.9#
138 40.6 17.8 26.8#

